

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P671251

Luminaire Tested: **CCP-SA-1F-740-U-SL2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671251
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-740-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ SL2 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

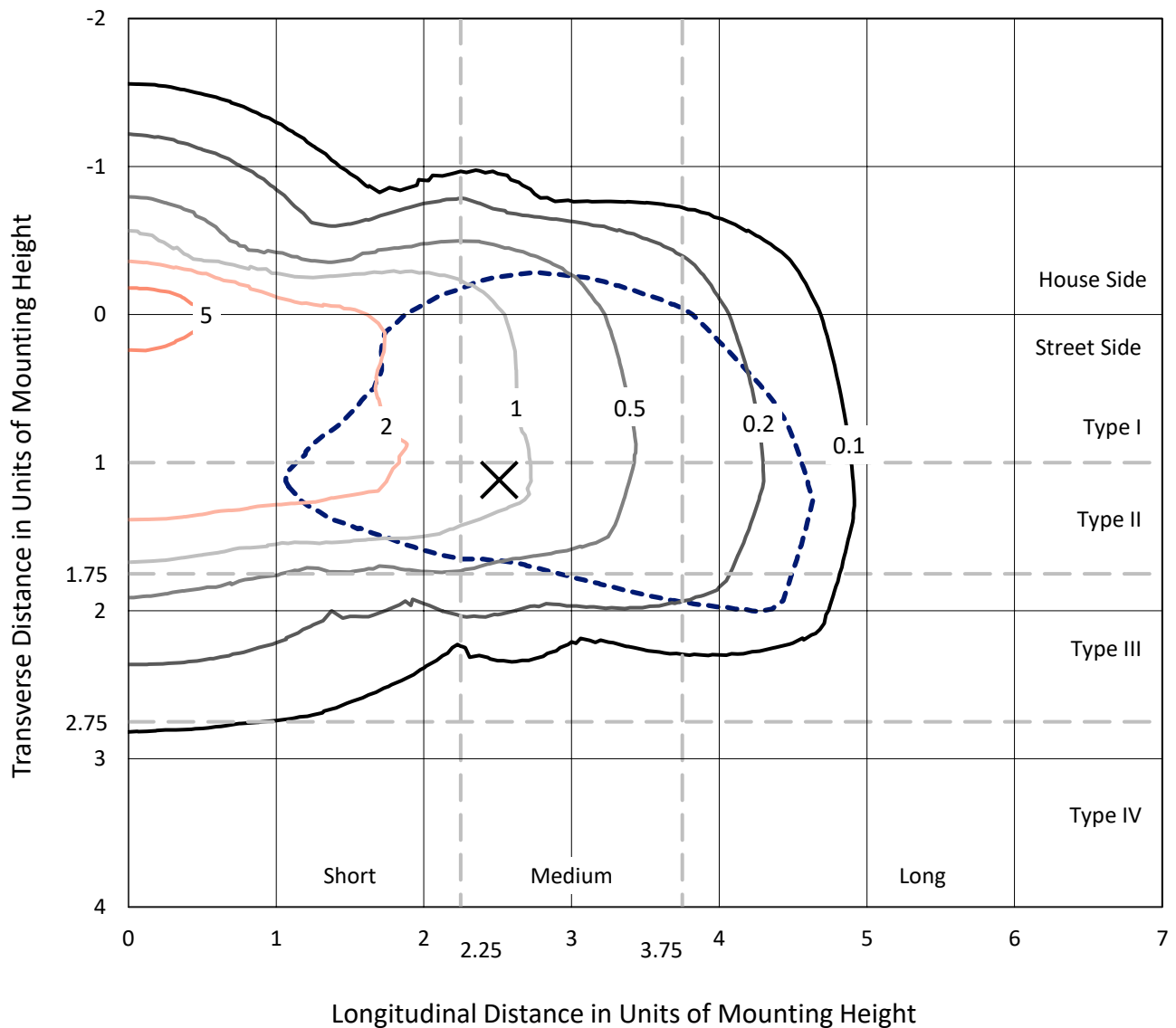
Lumens per Lamp: N/A
Luminaire Lumens: 7420.4 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

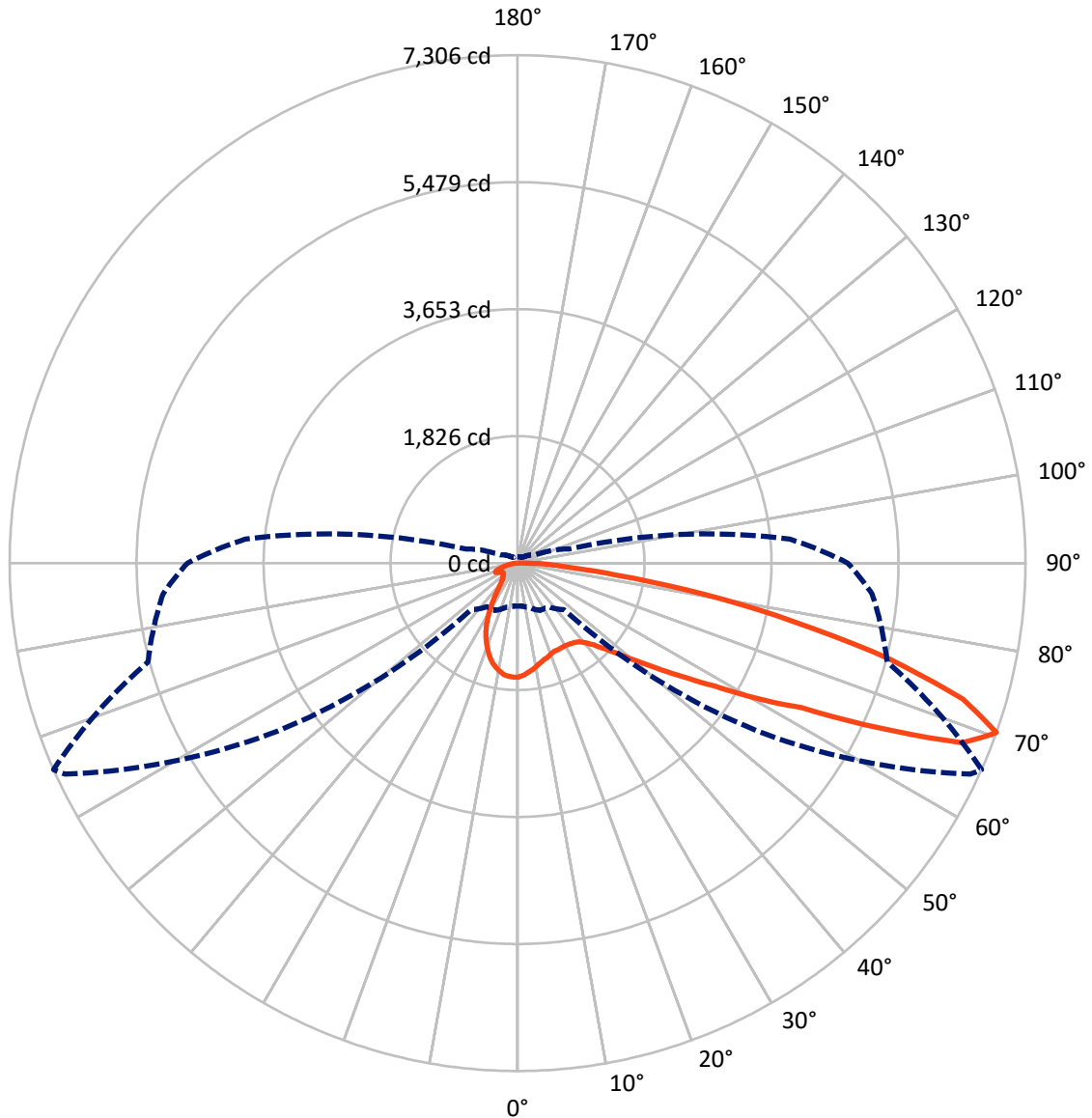
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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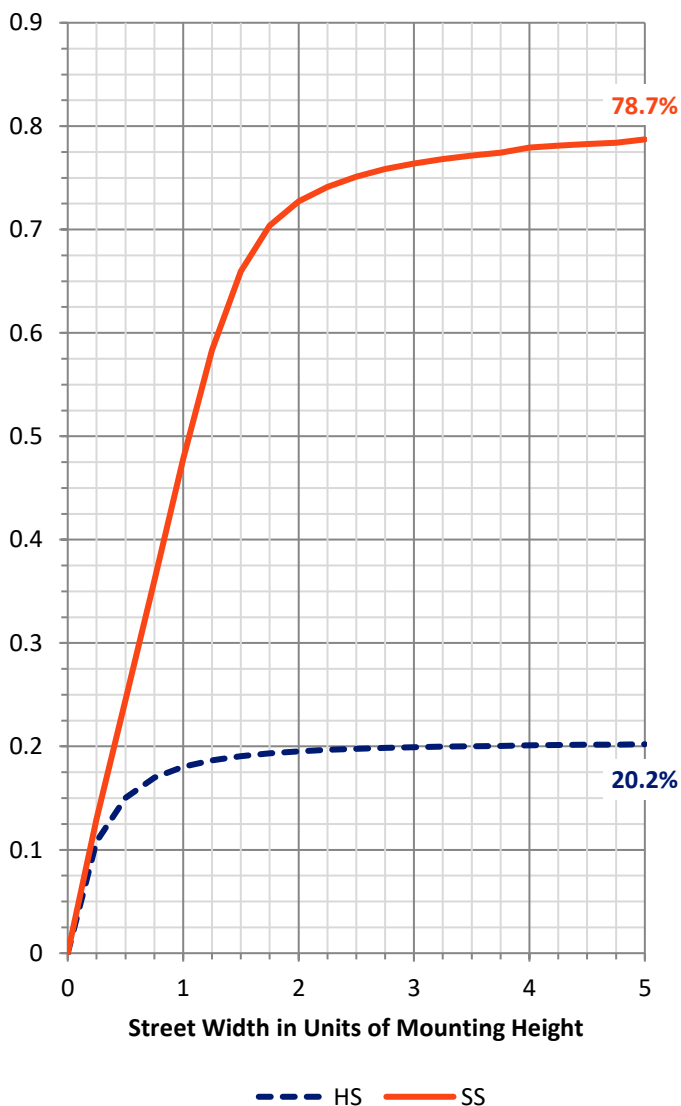
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1518.9	0.0	1518.9
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5901.5	0.0	5901.5
	% Fixture	79.5	0.0	79.5
Total	Lumens	7420.4	0.0	7420.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	2.0
10°-20°	356.8	4.8
20°-30°	490.1	6.6
30°-40°	657.1	8.9
40°-50°	953.4	12.8
50°-60°	1449.1	19.5
60°-70°	1789.8	24.1
70°-80°	1330.9	17.9
80°-90°	248.3	3.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7420.4	100.0
0°-180°	7420.4	100.0

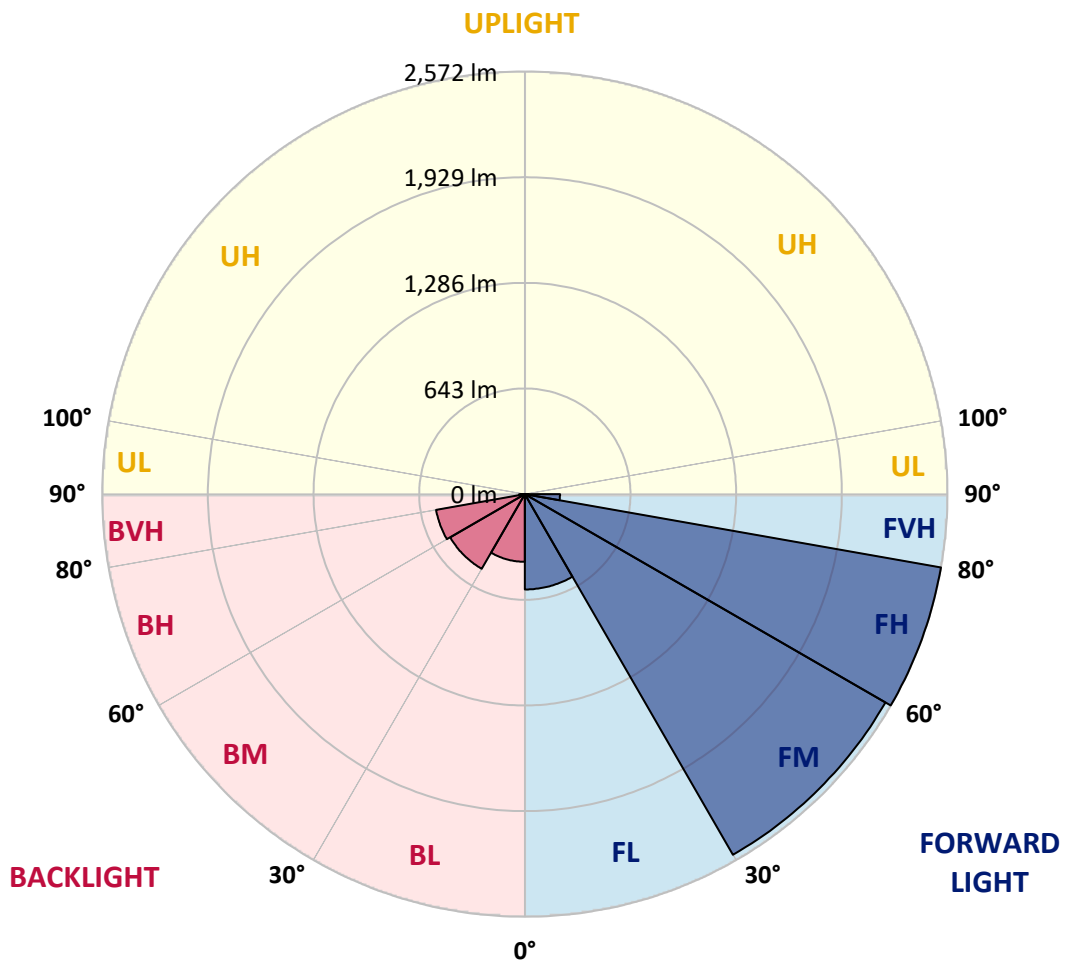


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	580.2	7.8			
FM (30°-60°)	2534.9	34.2			
FH (60°-80°)	2572.4	34.7			G2/5000
FVH (80°-90°)	214.0	2.9			G2/225
BL (0°-30°)	411.6	5.5	B1/500		
BM (30°-60°)	524.7	7.1	B1/1000		
BH (60°-80°)	548.3	7.4	B2/1000		G2/1000
BVH (80°-90°)	34.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4
2.5°	1559.4	1567.6	1570.4	1575.9	1589.7	1600.8	1617.3	1625.6	1617.3	1628.3	1628.3
5°	1451.7	1440.7	1468.3	1479.3	1495.9	1518.0	1556.6	1587.0	1578.7	1611.8	1639.4
7.5°	1360.6	1360.6	1368.9	1393.8	1413.1	1446.2	1487.6	1534.5	1548.3	1592.5	1633.9
10°	1277.8	1288.9	1288.9	1327.5	1338.6	1377.2	1446.2	1504.2	1506.9	1581.4	1639.4
12.5°	1233.7	1228.2	1255.8	1266.8	1299.9	1338.6	1393.8	1465.5	1468.3	1548.3	1628.3
15°	1197.8	1203.3	1217.1	1244.7	1275.1	1305.4	1357.9	1424.1	1437.9	1531.8	1622.8
17.5°	1200.6	1203.3	1203.3	1222.6	1247.5	1283.4	1333.0	1410.3	1418.6	1509.7	1614.6
20°	1217.1	1206.1	1214.4	1222.6	1239.2	1272.3	1313.7	1380.0	1388.2	1506.9	1633.9
22.5°	1253.0	1244.7	1242.0	1239.2	1236.4	1255.8	1308.2	1363.4	1371.7	1493.1	1642.1
25°	1311.0	1308.2	1288.9	1269.6	1255.8	1255.8	1297.2	1377.2	1374.4	1493.1	1647.7
27.5°	1380.0	1380.0	1377.2	1341.3	1299.9	1277.8	1305.4	1371.7	1368.9	1493.1	1661.5
30°	1473.8	1473.8	1465.5	1432.4	1357.9	1294.4	1311.0	1366.2	1374.4	1482.1	1650.4
32.5°	1575.9	1573.2	1581.4	1551.1	1473.8	1371.7	1344.1	1377.2	1385.5	1493.1	1653.2
35°	1650.4	1667.0	1694.6	1667.0	1589.7	1451.7	1391.0	1399.3	1404.8	1495.9	1664.2
37.5°	1736.0	1755.3	1793.9	1816.0	1733.2	1573.2	1465.5	1435.2	1435.2	1531.8	1667.0
40°	1860.2	1840.9	1907.1	1945.7	1912.6	1722.2	1581.4	1501.4	1504.2	1578.7	1702.9
42.5°	1951.3	1970.6	2039.6	2108.6	2067.2	1904.3	1708.4	1609.0	1609.0	1647.7	1758.1
45°	2053.4	2075.5	2172.1	2254.9	2285.2	2122.4	1882.3	1763.6	1758.1	1782.9	1857.4
47.5°	2166.5	2196.9	2307.3	2403.9	2483.9	2348.7	2105.8	1951.3	1948.5	1967.8	2023.0
50°	2296.2	2307.3	2398.4	2575.0	2735.1	2649.5	2379.0	2216.2	2202.4	2210.7	2285.2
52.5°	2334.9	2326.6	2431.5	2621.9	2914.5	3016.6	2751.6	2517.0	2511.5	2492.2	2588.8
55°	2194.1	2221.7	2323.8	2566.7	3060.7	3449.9	3160.1	2928.3	2878.6	2826.2	2942.1
57.5°	1912.6	1915.4	2031.3	2318.3	2947.6	3808.7	3852.8	3331.2	3334.0	3193.2	3325.7
60°	1487.6	1479.3	1570.4	1829.8	2624.7	3919.1	4609.1	3974.3	3946.7	3560.3	3681.7
62.5°	1073.6	1057.0	1076.4	1228.2	1962.3	3750.7	5351.5	4694.6	4578.7	3935.6	4029.5
65°	883.2	891.5	899.7	908.0	1101.2	3093.9	5580.5	5870.3	5715.8	4374.5	4413.1
67.5°	731.4	736.9	772.8	822.5	816.9	1827.1	5315.6	6957.7	6899.8	4918.2	4744.3
70°	621.0	618.2	659.6	750.7	764.5	949.4	4208.9	7181.3	7305.5	5503.3	5119.6
72.5°	496.8	502.3	538.2	659.6	750.7	800.4	2423.2	6701.1	6698.3	5953.1	4918.2
75°	356.0	356.0	405.7	546.5	725.9	792.1	1341.3	5439.8	5541.9	5594.3	4266.8
77.5°	234.6	245.6	284.3	408.5	681.7	775.5	850.1	3955.0	4081.9	4184.0	3265.0
80°	160.1	165.6	190.4	284.3	576.8	781.1	695.5	2660.6	2710.2	2310.0	1324.8
82.5°	96.6	99.4	127.0	198.7	414.0	742.4	654.1	1468.3	1437.9	698.3	380.9
85°	52.4	55.2	80.0	132.5	273.2	648.6	643.1	720.3	670.7	256.7	160.1
87.5°	19.3	19.3	35.9	66.2	157.3	444.3	560.3	427.8	400.2	129.7	74.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4
2.5°	1642.1	1642.1	1642.1	1642.1	1639.4	1628.3	1636.6	1633.9	1617.3	1620.1	1609.0
5°	1636.6	1650.4	1642.1	1631.1	1617.3	1584.2	1573.2	1564.9	1542.8	1534.5	1542.8
7.5°	1650.4	1639.4	1633.9	1614.6	1559.4	1529.0	1490.4	1443.4	1410.3	1402.0	1410.3
10°	1647.7	1647.7	1622.8	1567.6	1515.2	1426.9	1377.2	1294.4	1247.5	1233.7	1236.4
12.5°	1636.6	1644.9	1606.3	1518.0	1418.6	1311.0	1219.9	1131.6	1048.8	1015.6	1010.1
15°	1647.7	1639.4	1570.4	1457.2	1319.2	1170.2	1037.7	908.0	830.7	781.1	770.0
17.5°	1631.1	1622.8	1523.5	1374.4	1189.5	999.1	833.5	692.7	615.5	596.1	596.1
20°	1650.4	1598.0	1468.3	1275.1	1054.3	811.4	623.7	518.9	499.5	499.5	505.1
22.5°	1647.7	1592.5	1421.4	1178.5	891.5	612.7	463.7	433.3	436.1	458.1	455.4
25°	1631.1	1581.4	1355.1	1070.8	720.3	460.9	383.6	375.3	394.7	419.5	416.7
27.5°	1628.3	1551.1	1294.4	943.9	549.2	364.3	333.9	333.9	353.3	375.3	372.6
30°	1611.8	1526.2	1219.9	800.4	414.0	317.4	306.4	306.4	314.6	325.7	325.7
32.5°	1609.0	1493.1	1137.1	651.3	331.2	287.0	281.5	284.3	284.3	289.8	287.0
35°	1587.0	1449.0	1051.5	505.1	287.0	270.5	265.0	262.2	262.2	259.4	259.4
37.5°	1578.7	1421.4	963.2	391.9	267.7	256.7	251.2	242.9	240.1	240.1	237.4
40°	1587.0	1393.8	877.7	317.4	251.2	245.6	237.4	226.3	223.6	223.6	223.6
42.5°	1617.3	1391.0	789.3	276.0	242.9	234.6	223.6	212.5	209.8	212.5	209.8
45°	1686.3	1413.1	703.8	256.7	231.8	223.6	209.8	201.5	198.7	201.5	201.5
47.5°	1799.5	1473.8	626.5	245.6	223.6	212.5	198.7	190.4	190.4	190.4	190.4
50°	1987.1	1589.7	552.0	237.4	218.0	204.2	190.4	179.4	176.6	176.6	179.4
52.5°	2268.7	1788.4	491.3	231.8	209.8	193.2	179.4	171.1	165.6	162.8	165.6
55°	2608.1	2078.2	471.9	226.3	198.7	184.9	171.1	160.1	154.6	154.6	151.8
57.5°	2972.4	2398.4	505.1	220.8	190.4	173.9	160.1	149.0	143.5	140.8	140.8
60°	3367.1	2776.5	626.5	218.0	182.2	162.8	149.0	140.8	132.5	129.7	129.7
62.5°	3725.9	3118.7	844.5	215.3	176.6	151.8	138.0	127.0	121.4	118.7	118.7
65°	4134.4	3499.6	1057.0	226.3	173.9	143.5	127.0	115.9	110.4	107.6	107.6
67.5°	4490.4	3830.8	1181.2	253.9	182.2	132.5	113.2	104.9	102.1	99.4	99.4
70°	4749.8	3932.9	792.1	278.8	196.0	124.2	102.1	96.6	91.1	91.1	91.1
72.5°	4402.1	3510.6	469.2	262.2	184.9	115.9	91.1	85.6	82.8	82.8	80.0
75°	3764.5	2989.0	361.5	212.5	149.0	99.4	80.0	74.5	71.8	71.8	69.0
77.5°	2779.2	2141.7	267.7	168.4	115.9	80.0	69.0	66.2	63.5	60.7	60.7
80°	1087.4	938.4	182.2	124.2	85.6	63.5	58.0	55.2	52.4	49.7	49.7
82.5°	336.7	284.3	104.9	82.8	60.7	49.7	46.9	44.2	41.4	38.6	38.6
85°	146.3	140.8	69.0	52.4	41.4	33.1	33.1	30.4	27.6	24.8	24.8
87.5°	71.8	69.0	38.6	24.8	22.1	16.6	16.6	13.8	11.0	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)